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OCTOBER 11, 2001

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MARK BOLAND
2100 PENNSYLVANIA AVENUE, N.W.
SUITE 800
WASHINGTON, D.C. 20037-3213



101808361A

UNITED STATES PATENT AND TRADEMARK OFFICE
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/01/2001

REEL/FRAME: 012051/0837
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

YAMAMOTO, TAKAYUKI

DOC DATE: 07/25/2001

ASSIGNOR:

TARUNO, TOMOHIRO

DOC DATE: 07/25/2001

ASSIGNEE:

NITTO DENKO CORPORATION
1-2, SHIMOHOSUMI 1-CHOME
IBARAKI-SHI
OSAKA, JAPAN

SERIAL NUMBER: 09918532
PATENT NUMBER:

FILING DATE: 08/01/2001
ISSUE DATE:

Copy

MARY BENTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

08-13-2001

Q65685

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Commissioner fo

1. Name of conveying party(ies):

Takayuki YAMAMOTO and Tomohiro TARUNO

8/1/01

Additional name(s) of conveying party(ies) attached?

yes no

3. Nature of Conveyance:

- Assignment Merger
 Security Agreement Change of Names
 Other _____

Execution Date: July 25, 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: July 25, 2001

A. Patent Application No.(s)/Confirmation No.(s)
Not Yet Assigned

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3213

6. Total number of applications and registration involved:

1

7. Total Fee (37 CFR 3.41): \$40.00

Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.

Authorized to be charged to Deposit Account

8. Deposit Account No.

19-4880

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9. Statement and Signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Mark Boland

Mark Boland

Reg. No. 32,197

August 1, 2001

Date

TOTAL NUMBER OF PAGES COMPRISING COVER SHEET, ATTACHMENTS AND DOCUMENT: 2

OMB No. 0651-0011 (exp. 4/94)

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Commissioner for Patents
Box Assignments
Washington, D.C. 20231

08/10/2001 TDIAZ1 00000109 09918532

01 F:15A1

40.00 00



09/918532

Assignment

Whereas, I/We, xot
 Takayuki YAMAMOTO and Tomohiro TARUNO,
 both of Osaka, Japan

hereinafter called assignor(s), have invented certain improvements in
 ACRYLIC PRESSURE-SENSITIVE ADHESIVE AND PROCESS FOR PRODUCING THE SAME
 and executed an application for Letters Patent of the United States of America therefor on
 July 25, 2001 ; and

Whereas, NITTO DENKO CORPORATION of
 1-2, Shimohozumi 1-chome, Ibaraki-shi, Osaka, Japan
 (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to
 any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its
 successors and assigns, the entire right, title and interest in the application and the invention disclosed
 therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and
 I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth
 in the application to the assignee, its successors and assigns; and I/we will execute without further
 consideration all papers deemed necessary by the assignee in connection with the United States application
 when called upon to do so by the assignee.

I/We hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of
 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application
 number _____, filed _____) the filing date and application
 number of said application when known.

Date: July 25, 2001 s/ Takayuki Yamamoto

Date: July 25, 2001 s/ Tomohiro Taruno

Date: s/ _____

Date: s/ _____

Date: s/ _____

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)



Patent Assignment Abstract of Title

NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.

Total Assignments: 2

Patent #: 6444772 **Issue Dt:** 09/03/2002 **Application #:** 09181456 **Filing Dt:** 10/28/1998

Inventors: KAZUHIKO SHIBATA, TAKAYUKI YAMAMOTO, VINCENT D. MCGINNIS, BHIMA R. VIJAYENDRAN et al

Title: SUPERCRITICAL FLUID PRESSURE SENSITIVE ADHESIVE POLYMERS AND THEIR PREPARATION

Assignment: 1

Reel/Frame: 009557/0860 **Recorded:** 10/28/1998 **Pages:** 5

Conveyance: ASSIGNMENT OF ASSIGNEES INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: MCGINNIS, VINCENT D.

Exec Dt: 10/20/1998

VIJAYENDRAN, BHIMA R.

Exec Dt: 10/20/1998

SPAHR, KEVIN B.

Exec Dt: 10/20/1998

Assignee: NITTO DENKO CORPORATION

1-1-2, SHIMOHOSUMI

IBARAKI, OSAKA, JAPAN 567

Correspondent: MUELLER AND SMITH, LPA

JERRY K. MUELLER, JR.

7700 RIVERS EDGE DRIVE

COLUMBUS, OH 43235

Assignment: 2

Reel/Frame: 009675/0381 **Recorded:** 01/04/1999 **Pages:** 4

Conveyance: ASSIGNMENT OF ASSIGNEES INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: SHIBATA, KAZUHIKO

Exec Dt: 12/17/1998

YAMAMOTO, TAKAYUKI

Exec Dt: 12/17/1998

Assignee: NITTO DENKO CORPORATION

1-1-2 SHIMOHOSUMI

IBARAKI, OSAKA, JAPAN 567-0

Correspondent: MUELLER AND SMITH, LPA

JERRY K. MUELLER, JR.

7700 RIVERS EDGE DRIVE

COLUMBUS, OHIO 43235

Search Results as of: 2/4/2003 4:18:36 P.M.

If you have any comments or questions concerning the data displayed, contact OPR / Assignments at 703-308-9723
Web interface last modified: Oct. 5, 2002

Correspondent Name and Address

Area Code and Telephone Number **(614) 436-0600**

Name **Jerry K. Mueller, Jr., Mueller and Smith, LPA**

Address (line 1) **7700 Rivers Edge Drive**

Address (line 2) **Columbus, Ohio 43235**

Address (line 3)

Address (line 4)

Pages Enter the total number of pages of the attached conveyance document
Including any attachments. # **3**

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month **10** Day **20** Year **1998**

Patent Cooperation Treaty (PCT)

PCT PCT PCT

Enter PCT application number

only if a U.S. Application Number

PCT PCT PCT

has not been assigned.

Number of Properties

Enter the total number of properties involved. # **1**

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ **40.00**

Method of Payment:

Deposit Account

Enclosed Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: # **13-4830**

Authorization to charge additional fees:

Yes

No

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Jerry K. Mueller, Jr.

Name of Person Signing

Signature

October 28, 1998

Date

FORM PTO-1619C
Expires 06/30/99
OMB 0651-0027

RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

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Patent and Trademark Office
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Conveying Party(ies)

Enter additional Conveying Parties

Name (Line 1)

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Execution Date
Month Day Year
10201998

Name (Line 2)

Execution Date
Month Day Year

Name (Line 1)

Execution Date
Month Day Year

Name (Line 2)

Execution Date
Month Day Year

Name (Line 1)

Execution Date
Month Day Year

Name (Line 2)

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Address (Line 2)

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Application Number(s) or Patent Number(s)

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Patent Application Number(s)

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Patent Number(s)

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ASSIGNMENT

WHEREAS, we, Vincent D. McGinniss of Sunbury, Ohio; Bhima R. Vijayendran of Upper Arlington, Ohio; and Kevin B. Spahr of Worthington, have invented certain new and useful improvements in Method and Apparatus for

Supercritical Fluid Pressure Sensitive Adhesive Polymers And Their Preparation

for which we are about to make application for Letters Patent of the United States; and

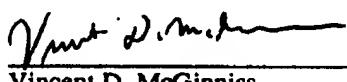
WHEREAS, Nitto Denko Corporation, a corporation of Japan, having an office at 1-1-2, Shimohozumi, Ibaraki, Osaka, 567, Japan, herein called "Assignee", is desirous of acquiring our entire right, title, and interest in said invention and application therefor, and in any patent or patents to be obtained therefor;

NOW, THEREFORE, To All Whom It May Concern, be it known that, for and in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto said Assignee, our entire right, title and interest in and to the invention shown, described, or claimed therein, and the full and exclusive right and title to said application executed by us on the 20 day of October, 1998, the 20 day of October, 1998, and the 20 day of October, 1998 respectively, preparatory to obtaining Letters Patent of the United States therefor; and in and to any extensions, reissues, divisions, or renewals thereof; and we do hereby authorize and request the Commissioner of Patents and Trademarks or other proper Officer to issue such Letters Patent to the Assignee of our entire right, title and interest in and to the same for the sole use and behoove of the said Assignee, and its successors or assigns.

And we further covenant and agree that we will, at the request and expense of the said Assignee, execute such further assurance of title as may be necessary or proper to fully convey the interest herein sought to be conveyed; that we will, at the request and expense of the said Assignee, execute such application papers as may be desired by the said Assignee for the filing of any division or renewal of the application herein conveyed, or for the reissues or extension of any Letters Patent that may be granted upon said application, and will execute such Supplemental Oaths and Preliminary Statements, or other papers as desired by the said Assignee.

And we further assign unto the said Assignee our whole right, title, and interest to the invention disclosed in the application throughout all countries foreign to the United States, and do hereby authorize the said Assignee to apply for patents therefor in its own name in countries where such procedure is proper and to claim the benefit of the International Convention and I do agree to execute applications for the said invention in the several countries where it is necessary that the same be executed by the inventor, and to execute assignments of such applications and the patents to be obtained therefor to the said Assignee, as well as all other necessary papers.

IN TESTIMONY WHEREOF, we have hereunto set our hands at Columbus, this 2 day of October, 1998.


Vincent D. McGinniss

STATE OF OHIO

COUNTY OF FRANKLIN

)
) SS.
)

Personally appeared before me this day the above-named NAME, to me personally known, who acknowledged that he signed the foregoing instrument for the uses and purposes therein mentioned, and that the same is his free act and deed.

In testimony whereof, I have hereunto set my hand and affixed my seal this 27 day of October, 1998.



PENNY L. DEIBERT
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES SEPT. 26, 2001


Penny L. Deibert
Notary Public

Bhima Vijayendran
Bhima R. Vijayendran

STATE OF OHIO)
COUNTY OF FRANKLIN) SS.
)

Personally appeared before me this day the above-named NAME, to me personally known, who acknowledged that he signed the foregoing instrument for the uses and purposes therein mentioned, and that the same is his free act and deed.

October 28, 1998. In testimony whereof, I have hereunto set my hand and affixed my seal this 20 day of

PENNY L. DEIBERT
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES SEPT. 26, 2001

Notary Public

Kev. B. Spahr
Kevin B. Spahr

STATE OF OHIO)
COUNTY OF FRANKLIN) SS.
)

Personally appeared before me this day the above-named NAME, to me personally known, who acknowledged that he signed the foregoing instrument for the uses and purposes therein mentioned, and that the same is his free act and deed.

October 28, 1998. In testimony whereof, I have hereunto set my hand and affixed my seal this 20 day of

PENNY L. DEIBERT
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES SEPT. 26, 2001

Notary Public



Patent Assignment Abstract of Title

NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.

Total Assignments: 1

Patent #: 6376633 **Issue Dt:** 04/23/2002 **Application #:** 09472870 **Filing Dt:** 12/28/1999

Inventors: TAKAYUKI YAMAMOTO, TOMOHIRO TARUNO, TOMOHIDE BAMBÀ, MITSUHIRO KANADA et al

Title: ACRYLIC PRESSURE-SENSITIVE ADHESIVE COMPOSITION AND PROCESS FOR PRODUCING THE SAME

Assignment: 1

Reel/Frame: 010505/0434 **Recorded:** 12/28/1999 **Pages:** 2

Recorded: 12/28/1999

Pages: 2

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: YAMAMOTO, TAKAYUKI **Exec Dt:** 12/09/1999

TARUNO, TOMOHIRO Exec Dt: 12/09/1999

BAMBA, TOMOHIDE Exec Dt: 12/09/1999

KANADA MITSUHIRO Exec Dt: 12/09/1999

MINAMIZAKI YOSHIHIRO Exec Dt: 12/09/1999

NITTO DENKO CORPORATION

Assignee: NITTO DENKO CORPORATION

1-2, SHIMOHOSUMI 1-CHOME

IBARAKI-SHI, OSAKA, JAPAN

Correspondent: SUGHRUE, MION, ZINN, MACPEAK & SEAS

MARK BOLAND

2100 PENNSYLVANIA AVENUE, N.W.

SUITE 800

WASHINGTON, D.C. 20037-3202

Search Results as of: 2/4/2003 4:18:54 P.M.

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DEPARTMENT OF COMMERCE
U.S. Patent and Trademark OfficeQ57283
MLO 12-21-95FEB 04 2003
PATENT & TRADEMARK OFFICE

101255038

To the Honorable Assistant Commissioner for Patents. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Takayuki YAMAMOTO, Tomohiro TARUNO, Tomohide BANBA,
Mitsuhiko KANADA and Yoshihiro MINAMIZAKIAdditional name(s) of conveying party(ies) attached?
 Yes No

3. Nature of Conveyance:

 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: December 9, 1999

2. Name and address of receiving party(ies)?

Name:
NITTO DENKO CORPORATION
Internal Address:
1-2, Shimohozumi 1-chome, Ibaraki-shi, Osaka Japan
Street Address:
Same as above

City State Zip

Additional name(s) & address(es) attached?
 Yes NoJC:564 U.S.P.T.O.
09/472870
12/28/96

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:
December 9, 1999

A. Patent Application No.(s)

B. Patent No(s).

09/472870

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

SUGHRUE, MIER, ZINN, MACPEAK & SEAS
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-32026. Total number of applications and patents involved:
One (1)7. Total Fee (37 CFR 3.41): \$ 40.00
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Date

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01/31/2000 UNGUYEN 00000264 09472870

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PATENT
REEL: 010505 FRAME: 0434

Assignment

Whereas, I/We, Takayuki Yamamoto, Tomohiro Taruno,
Tomohide Bamba, Mitsuhiro Kanada and Yoshihiro Minamizaki all of
Osaka, Japan
hereinafter called assignor(s), have invented certain improvements in
ACRYLIC PRESSURE-SENSITIVE ADHESIVE COMPOSITION
AND PROCESS FOR PRODUCING THE SAME
and executed an application for Letters Patent of the United States of America therefor on
December 9, 1999; and

Whereas, NITTO DENKO CORPORATION of
1-2, Shimohozumi 1-chome, Ibaraki-shi,
Osaka, Japan
(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to
any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,
I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its
successors and assigns, the entire right, title and interest in the application and the invention disclosed
therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and
I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth
in the application to the assignee, its successors and assigns; and I/we will execute without further
consideration all papers deemed necessary by the assignee in connection with the United States application
when called upon to do so by the assignee.

I/We hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of
2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application
number _____, filed _____) the filing date and application
number of said application when known.

Date: 12/09/1999 s/ Takayuki Yamamoto

Date: 12/09/1999 s/ Tomohiro Taruno

Date: 12/09/1999 s/ Tomohide Bamba

Date: 12/09/1999 s/ Mitsuhiro Kanada

Date: 12/09/1999 s/ Yoshihiro Minamizaki

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

JAN 8 4 1993

FORM PTO-1619A
Expires 06/30/99
OMB 0651-0027

01-07-1999

U.S. Department of Commerce
Patent and Trademark Office
PATENT

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MRO 1-4-99

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type New Resubmission (Non-Recordation)Document ID# Correction of PTO ErrorReel # Frame # Corrective DocumentReel # Frame # **Conveyance Type** Assignment Security Agreement License Change of Name Merger Other **U.S. Government**

(For Use ONLY by U.S. Government Agencies)

 Departmental File Secret File**Conveying Party(ies)** Mark if additional names of conveying parties attached

Execution Date

Month Day Year

12171998

Name (line 1) Kazuhiko ShibataName (line 2) **Second Party**Name (line 1) Takayuki Yamamoto

Execution Date

Month Day Year

12171998

Name (line 2) **Receiving Party** Mark if additional names of receiving parties attachedName (line 1) Nitto Denko Corporation
 If document to be recorded
is an assignment and the
receiving party is not
domesticated in the United
States, an appointment
of a domestic
representative is attached.
(Designation must be a
separate document from
Assignment.)
Name (line 2) Address (line 1) 1-1-2 ShimohozumiAddress (line 2) Address (line 3) Ibaraki Osaka, Japan 567-0041City State/Country Zip Code**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name Address (line 1) Address (line 2) Address (line 3) Address (line 4)

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PATENT
REEL: 9675 FRAME: 0381

Correspondent Name and Address

Area Code and Telephone Number **(614) 436-0600**

Name	Mueller and Smith, LPA
Address (Line 1)	7700 Rivers Edge Drive
Address (Line 2)	Columbus, Ohio 43235
Address (Line 3)	
Address (Line 4)	

Pages Enter the total number of pages of the attached conveyance document
Including any attachments. # **3**

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

09181456		

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number	PCT	PCT	PCT
only if a U.S. Application Number	PCT	PCT	PCT
has not been assigned.			

Number of Properties

Enter the total number of properties involved. # **1**

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ **40.00**

Method of Payment:
Deposit Account

Enclosed Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

13-4830

Authorization to charge additional fees:

Yes No

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Jerry K. Mueller, Jr.

December 30, 1998

Name of Person Signing

Signature

Date

Correspondent Name and Address

Area Code and Telephone Number (614) 436-0600

Name	Mueller and Smith, LPA
Address (line 1)	7700 Rivers Edge Drive
Address (line 2)	Columbus, Ohio 43235
Address (line 3)	
Address (line 4)	

Pages Enter the total number of pages of the attached conveyance document
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Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number

PCT PCT PCT only if a U.S. Application Number
has not been assigned.PCT PCT PCT **Number of Properties**

Enter the total number of properties involved.

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

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Jerry H. Mueller, Jr.

December 30, 1998

Name of Person Signing

Date

Signature

ASSIGNMENT

WHEREAS, we, Kazuhiko Shibata and Takayuki Yamamoto, both of Osaka, Japan, have invented certain new and useful improvements in Method and Apparatus for

**SUPERCritical FLUID PRESSURE SENSITIVE ADHESIVE POLYMERS
AND THEIR PREPARATION**

for which we made application for Letters Patent of the United States on October 28, 1998, as serial no. 09/181,456; and

WHEREAS, Nitto Denko Corporation, a corporation of Japan, having an office at 1-1-2, Shimohozumi, Ibaraki, Osaka, 567-0041, Japan, herein called "Assignee", is desirous of acquiring our entire right, title, and interest in said invention and application therefor, and in any patent or patents to be obtained therefor;

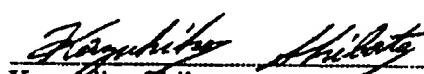
NOW, THEREFORE, To All Whom It May Concern, be it known that, for and in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto said Assignee, our entire right, title and interest in and to the invention shown, described, or claimed therein, and the full and exclusive right and title to said application serial no. 09/181,456, filed on October 28, 1998; and in and to any extensions, reissues, divisions, or renewals thereof; and we do hereby authorize and request the Commissioner of Patents and Trademarks or other proper Officer to issue such Letters Patent to the Assignee of our entire right, title and interest in and to the same for the sole use and behoove of the said Assignee, and its successors or assigns.

And we further covenant and agree that we will, at the request and expense of the said Assignee, execute such further assurance of title as may be necessary or proper to fully convey the interest herein sought to be conveyed; that we will, at the request and expense of the said Assignee, execute such application papers as may be desired by the said Assignee for the filing of any division or renewal of the application herein conveyed, or for the reissues or extension of any Letters Patent that may be granted upon said application, and will execute such Supplemental Oaths and Preliminary Statements, or other papers as desired by the said Assignee.

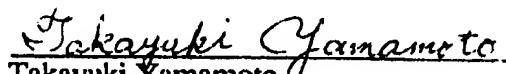
And we further assign unto the said Assignee our whole right, title, and interest to the invention disclosed in the application throughout all countries foreign to the United States, and do hereby authorize the said Assignee to apply for patents therefor in its own name in countries where such procedure is proper and to claim the benefit of the International Convention and I do agree to execute applications for the said invention in the several countries where it is necessary that the same be executed by the inventor, and to execute assignments of such applications and the patents to be obtained therefor to the said Assignee, as well as all other necessary papers.

IN TESTIMONY WHEREOF, we have hereunto set our hands on the dates set forth below:

Date: Dec. 17. 1998


Kazuhiko Shibata

Date: Dec. 17. 1998


Takayuki Yamamoto